Potentiality of hydro-electricity in States

2588. SHRIMATI SHABANA AZMI: Will the Minister of POWER be pleased to state:

(a) what is the hydro-electricity potential in different States, State-wise;

(b) how much of above have so far been utilized, State-wise;

(c) whether Government is going to formulate a Comprehensive Hydel Power Policy; and

(d) if so, the time-frame thereof?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) and (b) State-wise status of hydro-electric potential development is given in the Statement (*See* below).

(c) and (d) Government of India has already announced a Policy on Hydro Power Development in August 1998 in order to accelerate the pace of hydro power development in the country. Central Electricity Authority has recently brought out a Report on Ranking Study of about 400 hydro sehemes with an aggregate installed capacity of about 1,07,000 MW which are yet to be developed. CEA is now in the process of formulating a National Action Plan in consultation with the State Governments to exploit the entire balance potential in the country.

Statement

STATUS OF HYDRO ELECTRIC DEVELOPMENT-CONVENTIONAL

Region/State	Installed Capacity (As per re-assessment study)	Existing Installed Capacity		Schemes under Construction		Capacity Developed+Under Development		Capacity yet to be developed	
	(MW)	(MW)	%	(MW)	%	(MW)	%	(MW)	%
1	2	3	4	5	6	7	8	9	10
NORTHERN									
Jammu and Kashmir	14146	1473	10.4%	390	2.8%	1863.0	13.2%	12283.0	86.8%
Himachal Pradesh	18820	3668	19.5%	2311	12.3%	5979.0	31.8%	12841.0	68.2%
Punjab	971	1291	100.0%	168	17.3%	1459.0	100.0%	0.0	0.0%
Haryana	64	48	75.0%	14	21.9%	62.0	96.9%	2.0	3.1%
Rajasthan	496	430	86.7%	0	0.0%	430.0	86.7%	66.0	13.3%
Uttaranchal	18175	1109	6.1%	3134	17.2%	4243	23.3%	13932.0	76.7%
Uttar Pradesh	723	501	69.3%	0	0.0%	501.0	69.3%	222.0	30.7%
Sub Total (NR)	53395	8520	16.0%	6017	11.3%	14537.0	27.2%	38858.0	72.8%

WESTERN									
M.P. & Chattisgarh	4485	934	20.8%	1570	35.0%	2504.0	55.8%	1981.0	44.2%
Gujarat	619	305	49.3%	250	40.4%	555.0	89.7%	64.0	10.3%
Maharashtra	3769	2594	68.8%	0	0.0%	2594.0	68.8%	1175.0	31.2%
Goa	55	0	0.0%	0	0.0%	0.0	0.0%	55.0	100.0%
Sub Total (WR)	8928	3833	42.9%	1820	20.4%	5653.0	63.3%	3275.0	36.7%
SOUTHERN									
Andhra Pradesh	4424	2018	45.6%	0	0.0%	2018.0	45.6%	2406.0	54.4%
Karnataka	6602	2909	44.1%	192	2.9%	3101.0	47.0%	3501.0	53.0%
Kerala	3514	1800	51.2%	30	0.9%	1830.0	52.1%	1684.0	47.9%
Tamil Nadu	1918	1580	82.4%	150	7.8%	1730.0	90.2%	0.0	0.0%
Sub Total (SR)	16458	8307	50.5%	372	2.3%	8679.0	52.7%	7779.0	47.3%
EASTERN									
Jharkhand	753	154	20.5%	32	4.2%	186.0	24.7%	567.0	75.3%
Bihar	70	45	64.3%	0	0.0%	45.0	64.3%	25.0	35.7%
Orissa	2999	1838	61.3%	66	2.2%	1904.0	63.5%	1095.0	36.5%
West Bengal	2841	237	8.3%	36	1.3%	273.0	9.6%	2568.0	90.4%
Sikkim	4286	84	2.0%	519	12.1%	603.0	14.1%	3683.0	85.9%
Sub Total (ER)	10949	2358	21.5%	653	6.0%	3011.0	27.5%	7938.0	72.5%

1	2	3	4	5	6	7	8	9	10
NORTH EASTERN									
Meghalaya	2394	185	7.7%	84	3.5%	269.0	11.2%	2125.0	88.8%
Tripura	15	15	100.0%	0	0.0%	15.0	100.0%	0.0	0.0%
Manipur	1784	105	5.9%	90	5.0%	195.0	10.9%	1589.0	89.1%
Assam	680	250	36.8%	145	21.3%	395.0	58.1%	285.0	41.9%
Nagaland	1574	91	5.8%	8	0.5%	99.0	6.3%	1475.0	93.7%
Arunachal Pradesh	50328	416	0.8%	0	0.0%	416.0	0.8%	49912.0	99.2%
Mizoram	2196	0	0.0%	60	2.7%	60.0	2.7%	2136.0	97.3%
Sub Total (NER)	58971	1062	1.8%	387	0.7%	1449.0	2.5%	57522.0	97.5%
ALL INDIA	**148701**	**24080**	**16.2%**	**9249**	**6.2%**	**33329.0**	**22.4%**	**115372.0**	**77.6%**

Note-1 The above table shows the installed capacities of the convential hydro stations in operation only and does not include PSS.

Considering PSS schemes into account the total installed capacity of the state shall be as given below:

Gujarat-545 MW, Maharasthra-2768 MW, Andhra Pradesh-3168 MW, Tamil Nadu-1980 MW, Jharkhand-194 MW,

Total All India = 26084 MW

Note-2 Total Installed capacity in A & N Islands = 5.25 MW

Note-3 The above table shows the installed capacities of the convential hydrostations under construction only and does not include PSS.

Considering PSS schemes into account the total installed capacity of the state under construction shall be as given below:

Gujarat-1450 MW, Maharasthra-250 MW, Andhra Pradesh-450 MW, West Bengal-936 MW
Total All India = 12335 MW

Note-4 The above Table does not include mini/micro and small H.E. Schemes.